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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,522	04/12/2004	Hui-Jye Hshieh	24061.123 (TSMC2003-0744)	3356
42717 7590 06/04/2007 HAYNES AND BOONE, LLP 901 MAIN STREET, SUITE 3100 DALLAS, TX 75202			EXAMINER KASENGE, CHARLES R	
			ART UNIT 2125	PAPER NUMBER
			MAIL DATE 06/04/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/822,522

Applicant(s)

HSHIEH ET AL.

Examiner

Charles R. Kasenge

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 3/22/07.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 6 is/are allowed.
- 6) ☒ Claim(s) 1-3, 5, 7-18, 20 and 22-30 is/are rejected.
- 7) ☒ Claim(s) 4, 19 and 21 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 3/22/07 have been fully considered but they are not persuasive. The Office reasserts that Matsuda U.S. Patent Application Publication 2002/0143650 discloses "providing, by a first provider, a lot of semiconductor components to a second service provider for processing." Matsuda's mask manufacturer is the first service provider (Fig. 1, #2) and the semiconductor device manufacturer is the second service provider (Fig. 1, #1). Matsuda teaches the delivery of semiconductor mask products from the first provider to the second provider (pg. 2, ¶23). The Office also reasserts that Matsuda discloses "outputting, by the first service provider, second information determined in response to the first information, to a client affiliated with the second service provider." Matsuda teaches first information associated with processing (Fig. 1, #21) and outputting second information in response to the first information (Fig. 1, #22 and pg. 2, ¶23). Matsuda alternatively calls the semiconductor device manufacturer the "client" (pg. 2, ¶19). Inherently, there must be a "customer" within the engineering department (Fig. 1, #4) that is affiliated with the "client" or second service provider (Fig. 1, #1).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-3, 5, 7-18, 20 and 22-30 are rejected under 35 U.S.C. 102(e) as being anticipated by Matsuda U.S. Patent Application Publication 2002/0143650. Regarding claims 1 and 16, Matsuda discloses a method of communicating semiconductor manufacturing information (abstract), the method comprising: providing, by a first service provider (Fig. 1, #2), a lot of semiconductor components to a second service provider (Fig. 1, #1) for processing (pg. 2, ¶23); receiving, by the first service provider, first information associated with the processing, from the second service provider (pg. 2, ¶23 and Fig. 1, #21); generating, by the first service provider, second information responsive to the first information (pg. 2, ¶23 and Fig. 1, #22) and outputting, by the first service provider, second information determined in response to the first information, to a customer affiliated with the second service provider (pg. 2, ¶23 and Fig. 1, #22).

Regarding claims 2, 3, 5, 17, 18 and 20, Matsuda discloses the method of claim 1 further comprising: in association with providing the lot of semiconductor components to the second service provider for processing, providing, by the first service provider, a virtual work order to the second service provider (pg. 2, ¶21-23). Matsuda discloses the method of claim 1, wherein the first service provider and the second service provider are separate business organizations (Fig. 1, # 1 and 2). Matsuda discloses the method of claim 1, wherein the first information includes work-in-process ("WIP") information (pg. 5 and 6, ¶42 and 51).

Regarding claims 7-9 and 22-24, Matsuda discloses the method of claim 5, wherein receiving the WIP information is by periodically receiving the WIP information, in response to passage of a predetermined period of time (pg. 4, ¶37). Matsuda discloses the method of claim 1, wherein the first information includes shipping information (pg. 5, ¶41). Matsuda discloses the

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method of claim 1, wherein the first information includes lot yield information (pg. 2, ¶21-23).

Regarding 10-15 and 25-30, Matsuda discloses the method of claim 1, wherein receiving the first information and outputting the second information are by receiving and outputting through a network (pg. 2, ¶27). Matsuda discloses the method of claim 10, wherein the network is a global computer network (pg. 2, ¶27). Matsuda discloses the method of claim 10, wherein receiving the first information and outputting the second information are by receiving and outputting using the file transfer protocol ("FTP") (pg. 2, ¶27). Matsuda discloses the method of claim 10, wherein receiving the first information and outputting the second information are by receiving and outputting using the hyper text transfer protocol ("HTTP") (pg. 2, ¶27). Matsuda discloses the method of claim 1, wherein the lot of semi-conductor components is a lot of integrated chips ("IC's") (pg. 2, ¶21). Matsuda discloses the method of claim 1, wherein the second information includes the first information (pg. 2, ¶21-23).

Allowable Subject Matter

4. Claim 6 is allowed.
5. Claims 4, 19 and 21 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles R. Kasenge whose telephone number is 571 272-3743. The examiner can normally be reached on Monday through Friday, 8:30 - 5 pm.

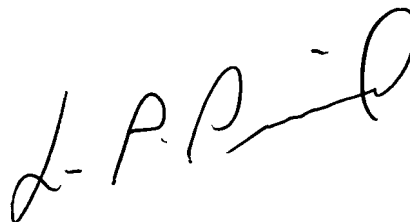
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on 571 272-3749. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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CK

May 23, 2007

A handwritten signature in black ink, appearing to read "L. P. P." followed by a stylized flourish.

LEO PICARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100